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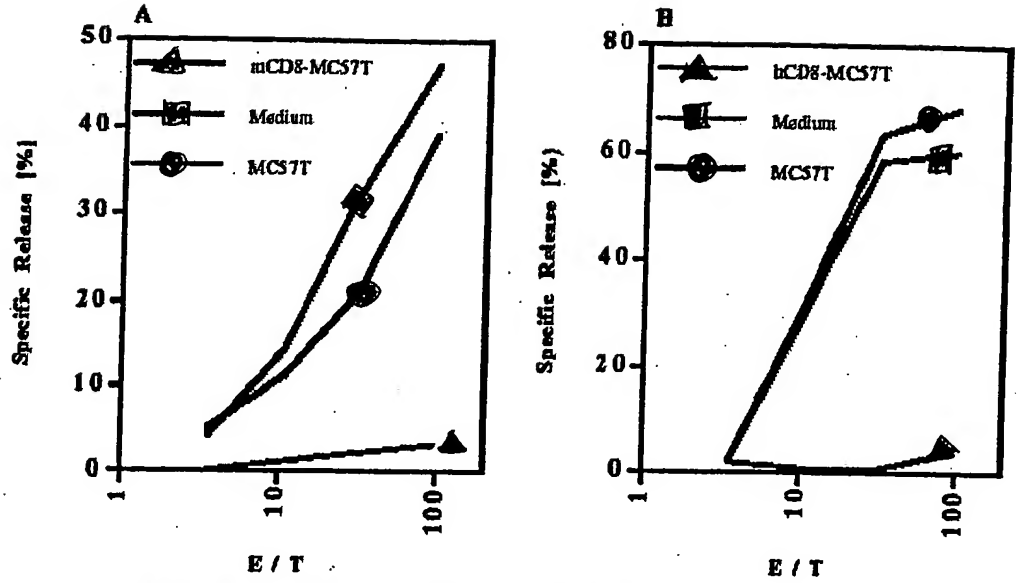
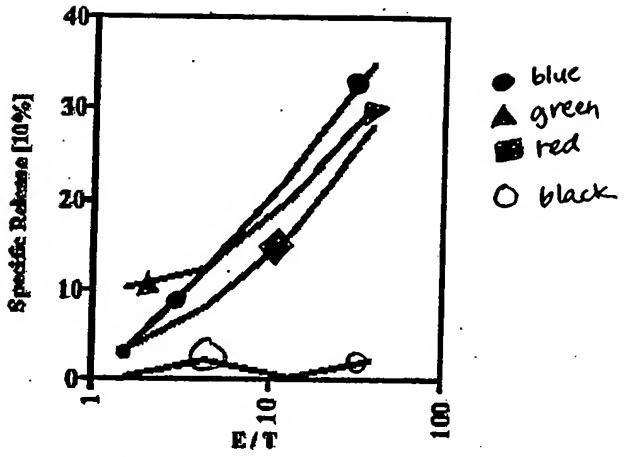


Balb/c spleen cells were stimulated with C57BL/6 spleen cells. Cultures were supplemented with normal fibroblasts (blue), medium (red) or fibroblasts with CD8 (green) of mouse (A) or human (B) origin. Cultures were harvested and tested for their lytic ability towards C57BL/6-derived target cells.

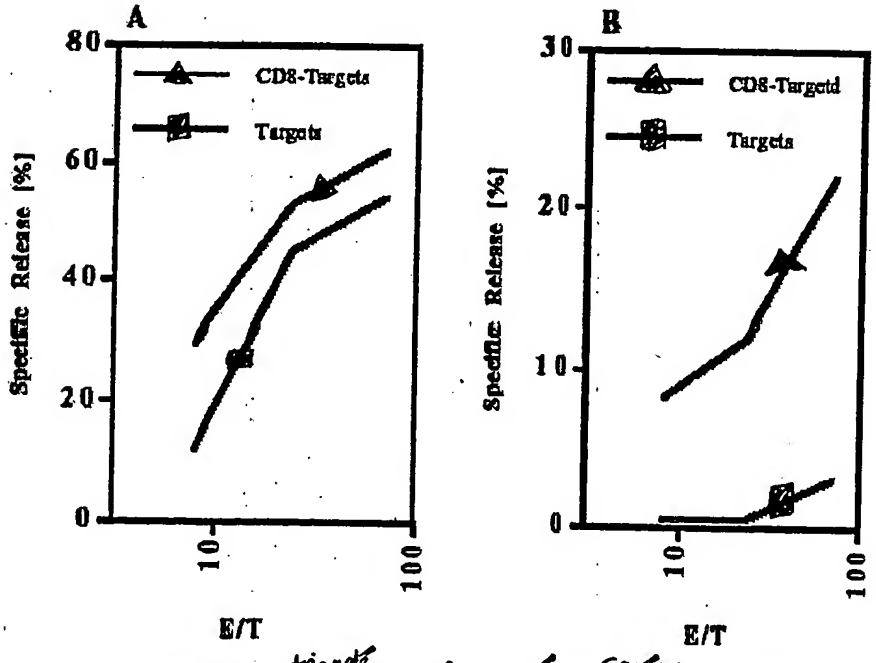
Figure 3

ANNOTATED SHEET
SHOWING CHANGES



Balb/c (H-2d) mice were injected with control fibroblasts (red and green) or mCD8-transfected C57BL/6- (H-2b) derived (black and blue) fibroblasts. After two weeks animals were sacrificed, spleen cells were harvested, stimulated with C57BL/6 (H-2b) (red and black) or CBA/J (H-2k) (blue and green) spleen cells and tested for their lytic ability on BL4 (H-2b) (red and black) or S.AKR (H-2k) (blue and green) target cells.

Figure 4



Target cells (green) or CD8-expressing targets (red) were tested for their susceptibility to lysis by allogeneic T cells (A) or by antigen-specific CTLs (B).

triangle

square

Figure 5

ANNOTATED SHEET
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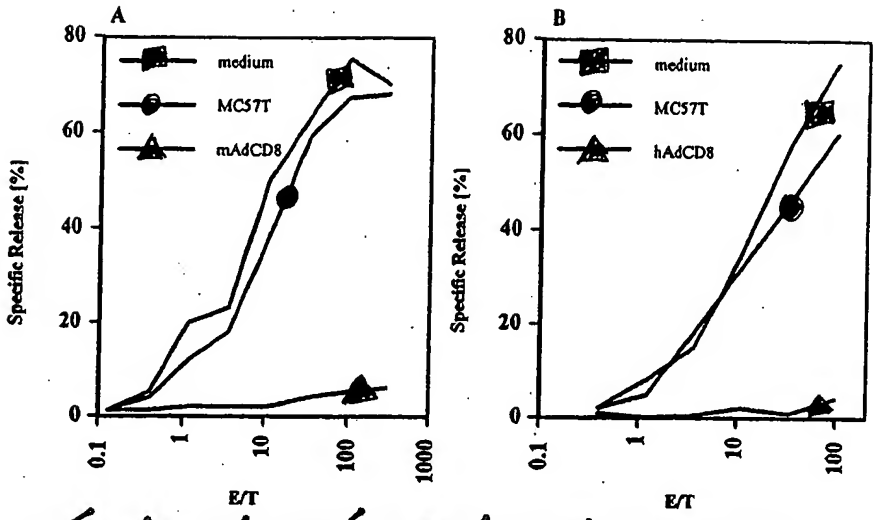

circle MLCs (Balb/c anti-C57BL/6) were set up in the presence of normal fibroblasts (blue) and fibroblasts transduced with mAdCD8 (A, green) or hAdCD8 (B, green). No fibroblasts were added to control cultures (red). The lytic activity of these cultures towards an C57BL/6-derived target was determined at the end of the culture period. triangle

Figure 6

ANNOTATED SHEET
SHOWING CHANGES

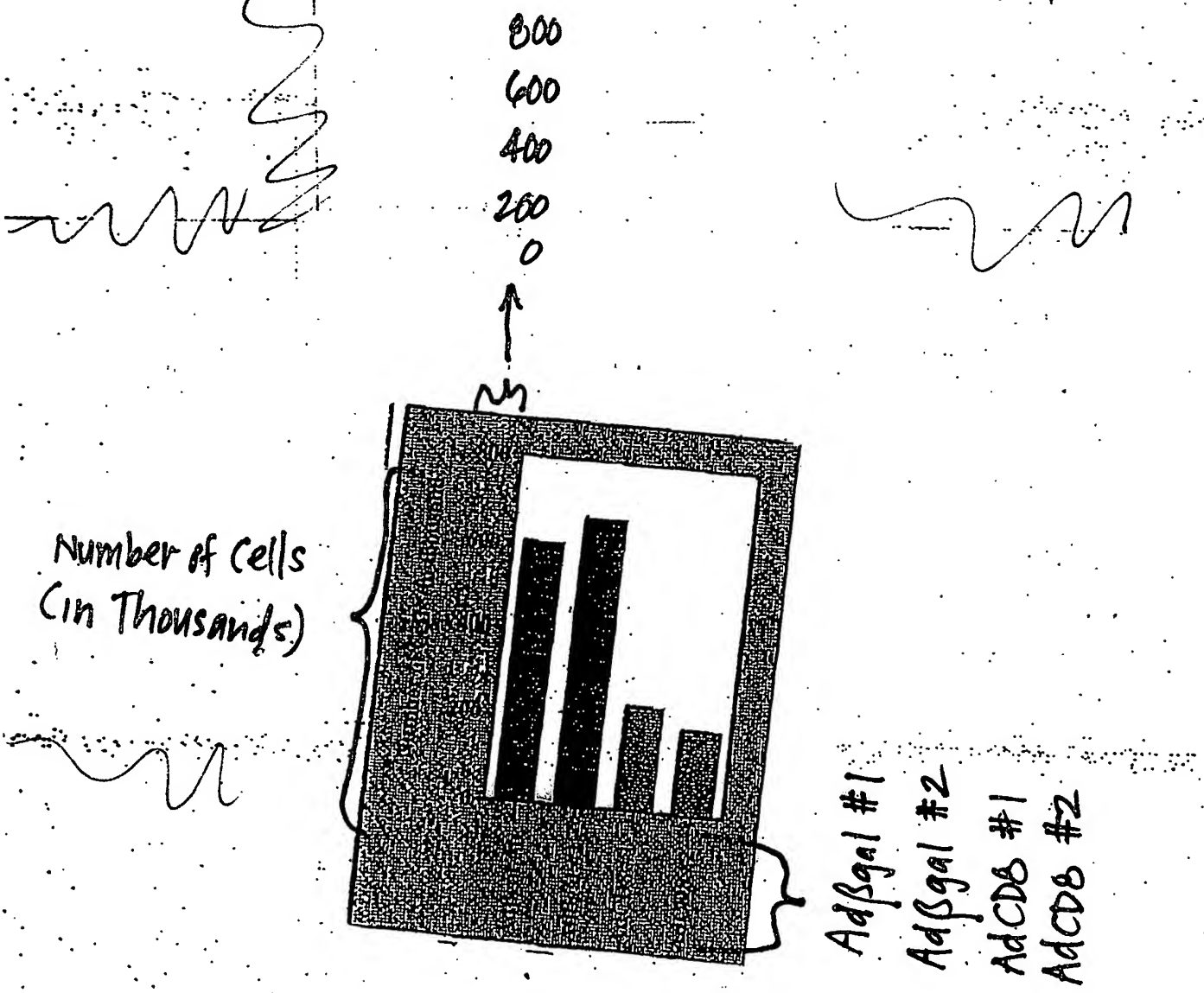

FIGURE 7

ANNOTATED SHEET
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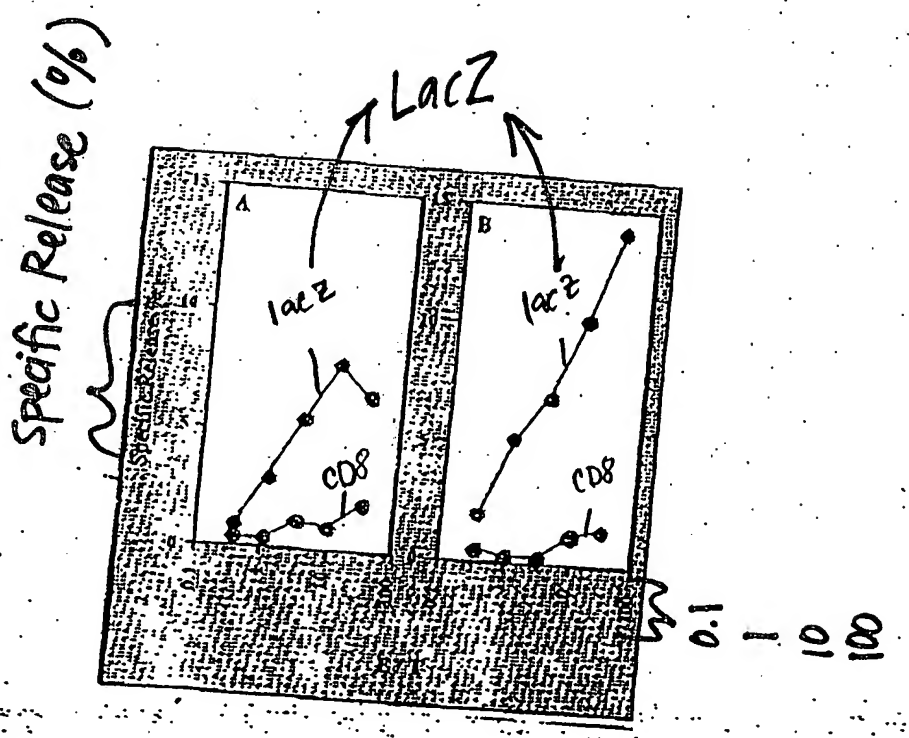
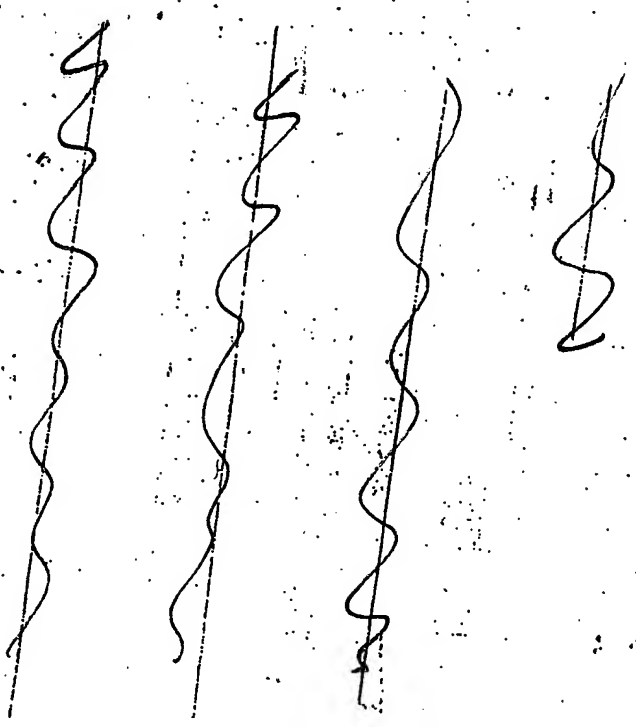


FIGURE 8



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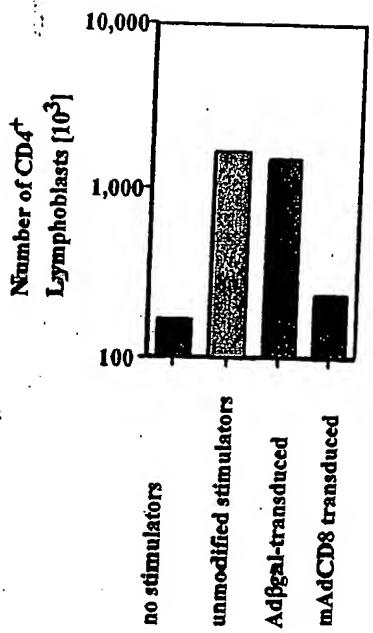


3x10⁶ C7Bl/6 spleen cells were incubated with 1x10⁶ (or no) stimulator cells, transduced as indicated. After 4 days the cultures were analyzed for presence CD4+ T lymphoblasts by immunofluorescence.

Figure 9

ANNOTATED SHEET
SHOWING CHANGES

FIGURE 10A

Infected Cells: MC57T Fibroblasts
Panel 1: Mock-Infection; Panel 2: Infection with hAdCD8

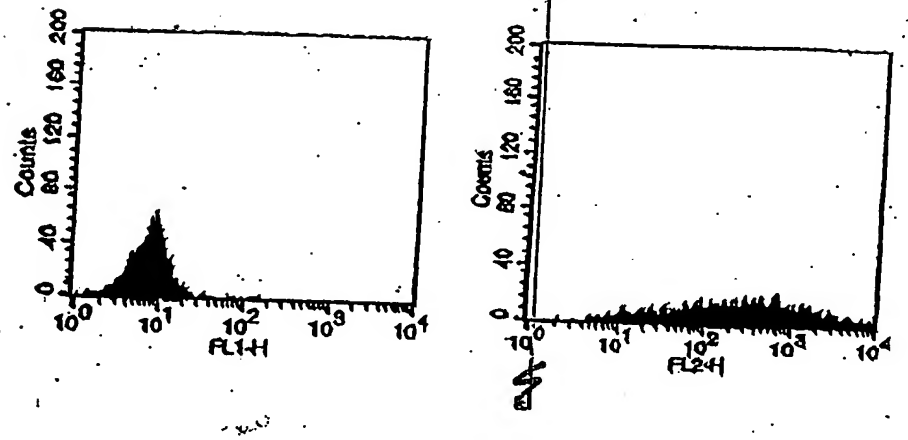
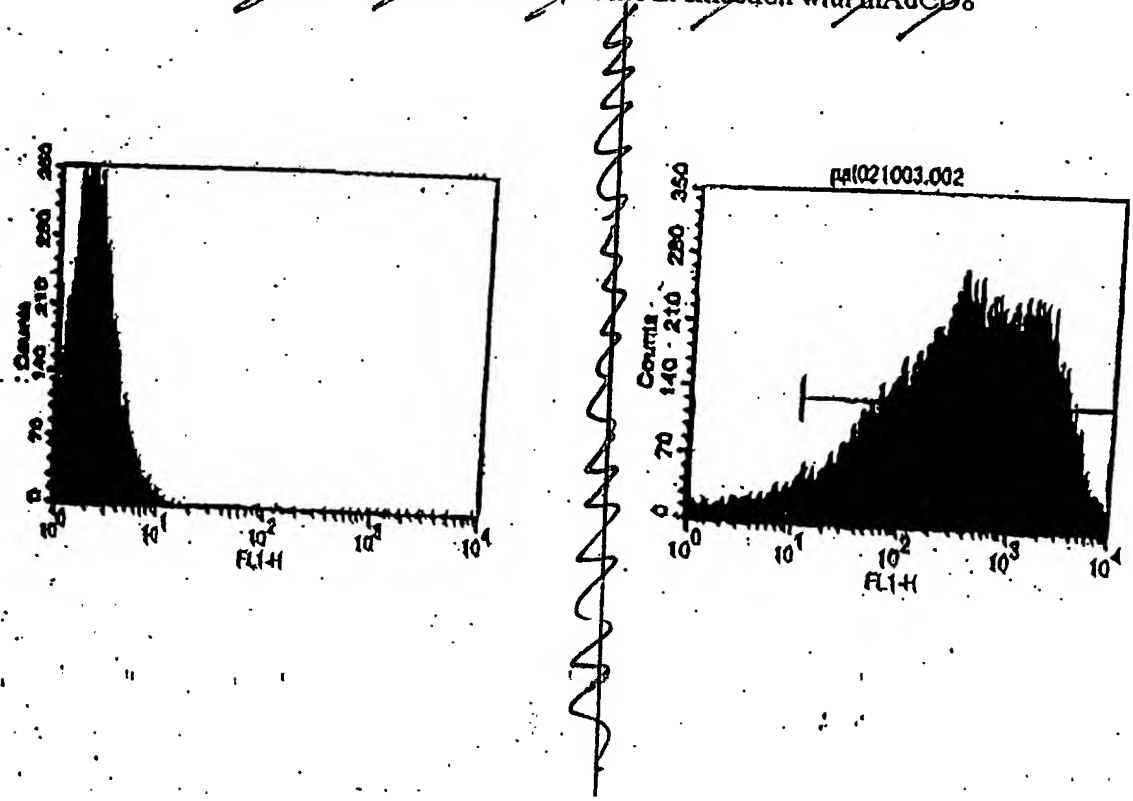


FIGURE 10B

Infected Cells: MC57T Fibroblasts
Panel 1: Mock-Infection; Panel 2: Infection with mAdCD8



ANNOTATED SHEET
SHOWING CHANGES

FIGURE 10C

Infected Cells: Balbc unselected bone marrow cells:
Panel 1: Infection with lacZ Adenoviral Vector (AdLacZ);
Panel 2: Infection with mAdCD8

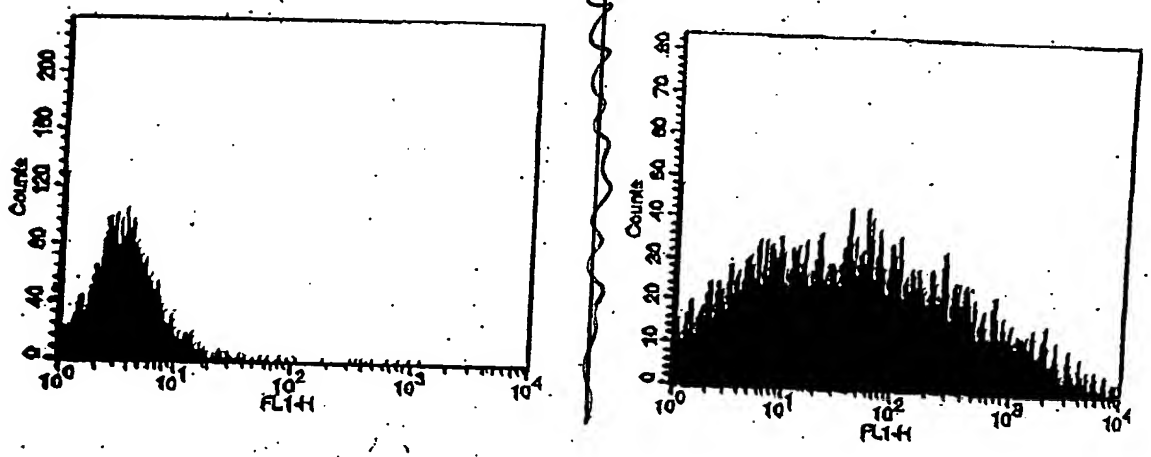
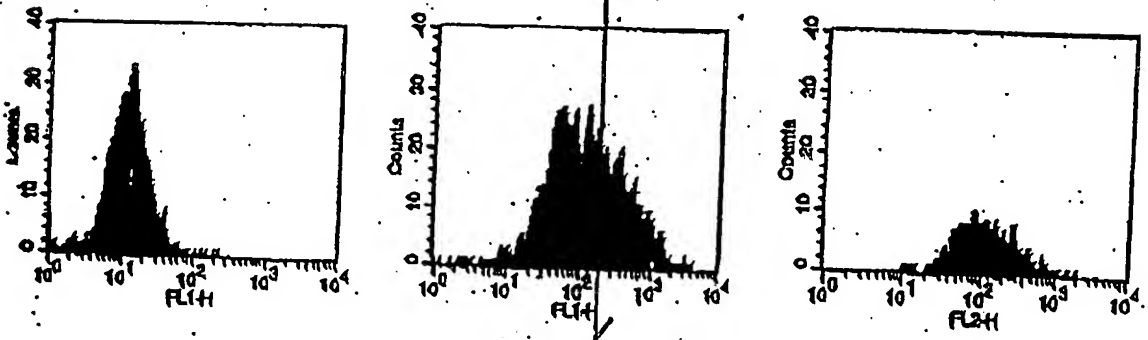


FIGURE 10D

Infected Cells: MC57T Fibroblasts
Panel 1: Mock-Infection;
Panel 2: Infection with pAAV-mCD8;
Panel 3: Infection with pAAV-hCD8



ANNOTATED SHEET
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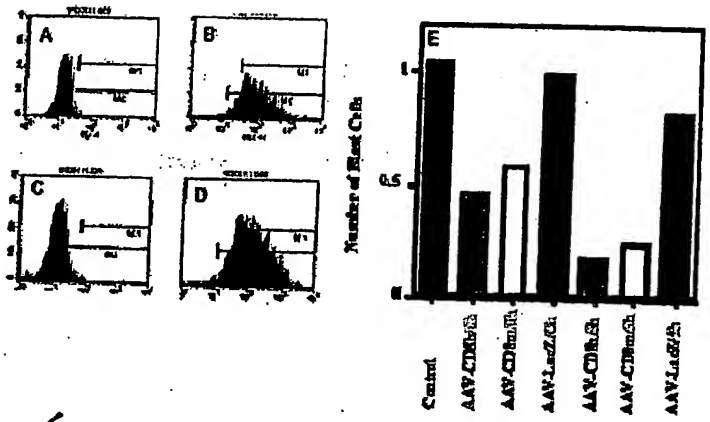

Fibroblasts were transduced with rAAVCD8 (B) or hAAVCD8 (D) or mock-infected (A and C). Surface expression of CD8 was detected by surface immunofluorescence (A through D). MLCs (Balb/c anti-C57BL/6) were set up in the presence of these fibroblasts that had been cultured for 0 or 5 hours after transduction before they were added to the MLCs. At end of cultures, the number of lymphoblasts was determined on a fluorescence activated cell analyzer.

Figure 11

ANNOTATED SHEET
SHOWING CHANGES

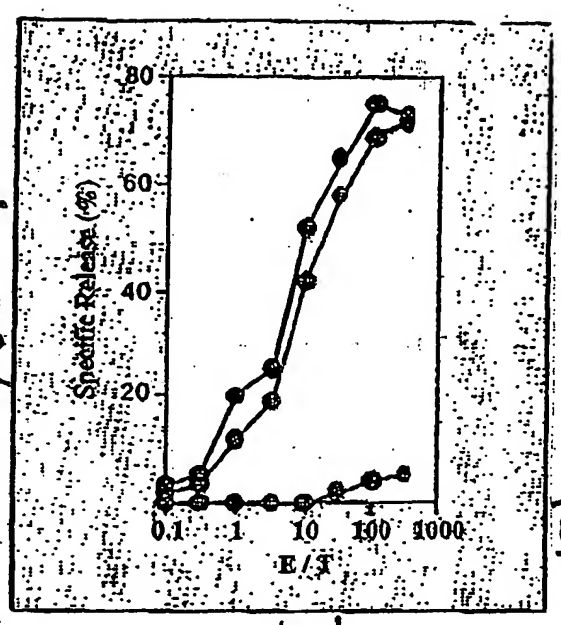

FIGURE 12

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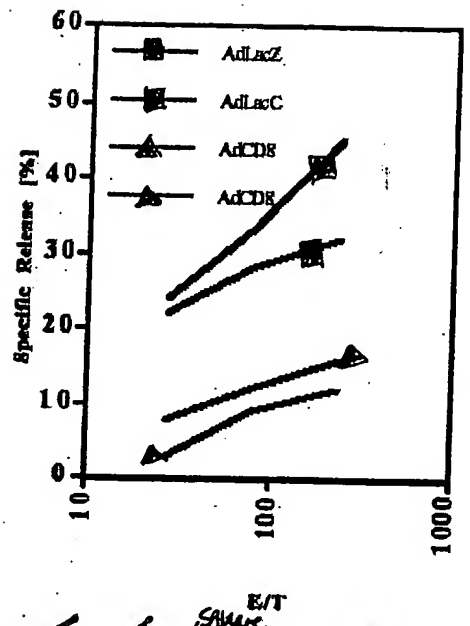
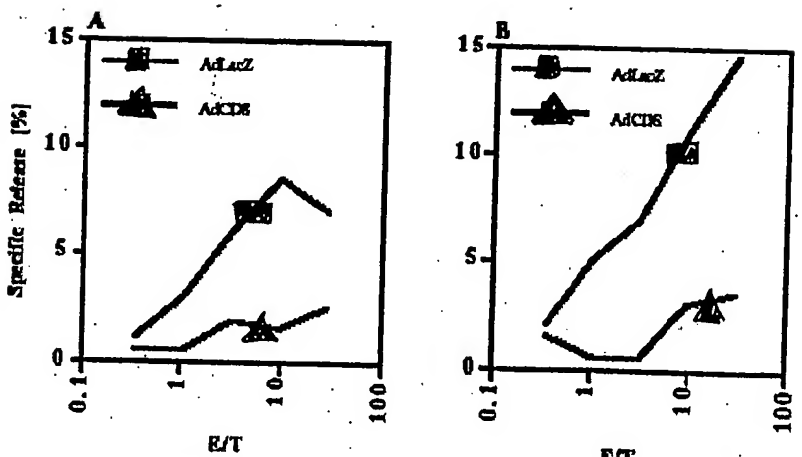


triangle Balb/c mice were immunized with AdLacZ (green) or mAdCD8 (red). Their spleen cells were cultured in the presence of AdLacZ and tested for specific lytic activity against AdLacZ-infected syngeneic P815 target cells.

square

Figure 13



triangle (A) C57BL/6 animals were immunized with AdLacZ (red) or mAdCD8 (green). They lytic activity of their spleen cells towards syngeneic AdLacZ EL4 target cells was tested. (B) Such animals were re-immunized with AdLacZ prior to testing their lytic activity against AdLacZ-infected EL4 targets.

square

ANNOTATED SHEET
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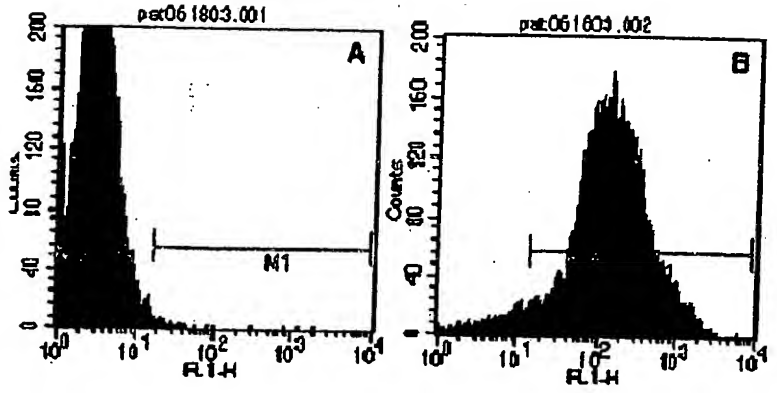

Single-cell suspensions were prepared from newborn hearts. The heart muscle cells were transduced with mAdCD8 (B) or mock-infected, cultured for 48 hours and stained for the surface expression of CD8.

Figure 15

ANNOTATED SHEET
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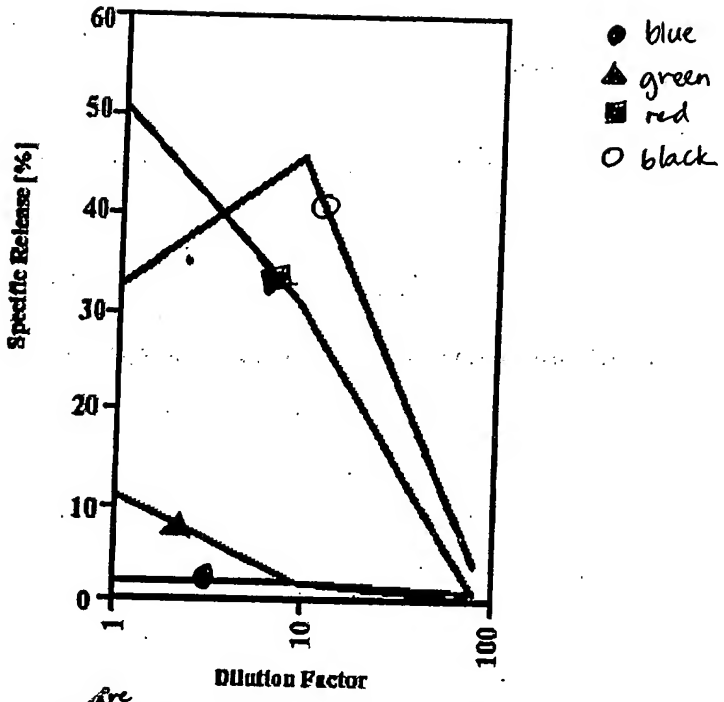

Square

Newborn C57BL/6 hearts were infected with 10^8 (red), 5×10^7 (green), 10^7 (blue) PFU AdCD8 or mock-infected (black). Thirty-five days after transplantation into BALB/c recipients, the activity of the lytic activity of activated recipient T cells was tested on donor-type target cells.

triangle

circle

open circle

Figure 16

ANNOTATED SHEET
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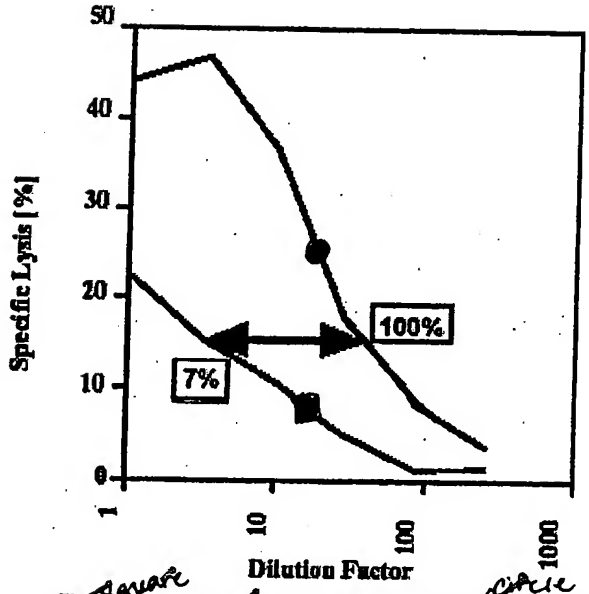
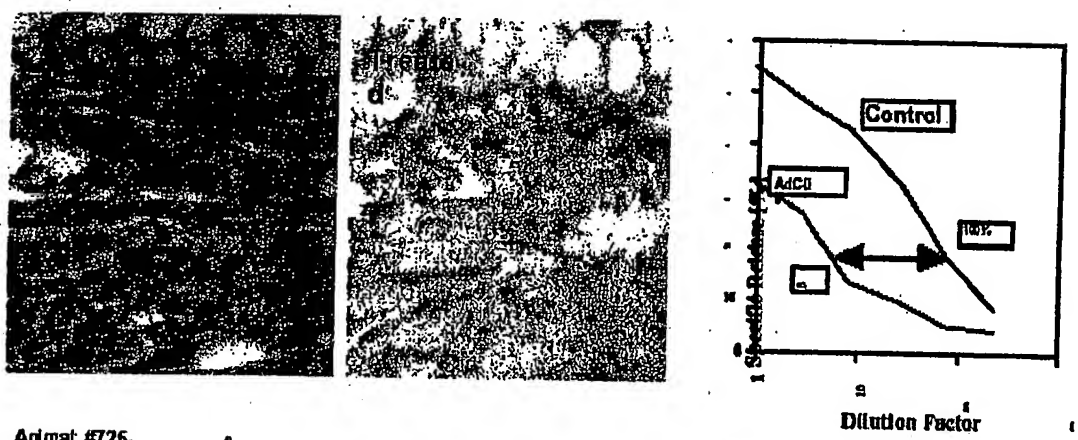


Newborn C57BL/6 hearts were infected with AdCD8 (red) or mock-infected (black). Thirtyeight days after transplantation into BALB/c recipients, the activity of the lytic activity of activated recipient T cells was tested on donor-type target cells.

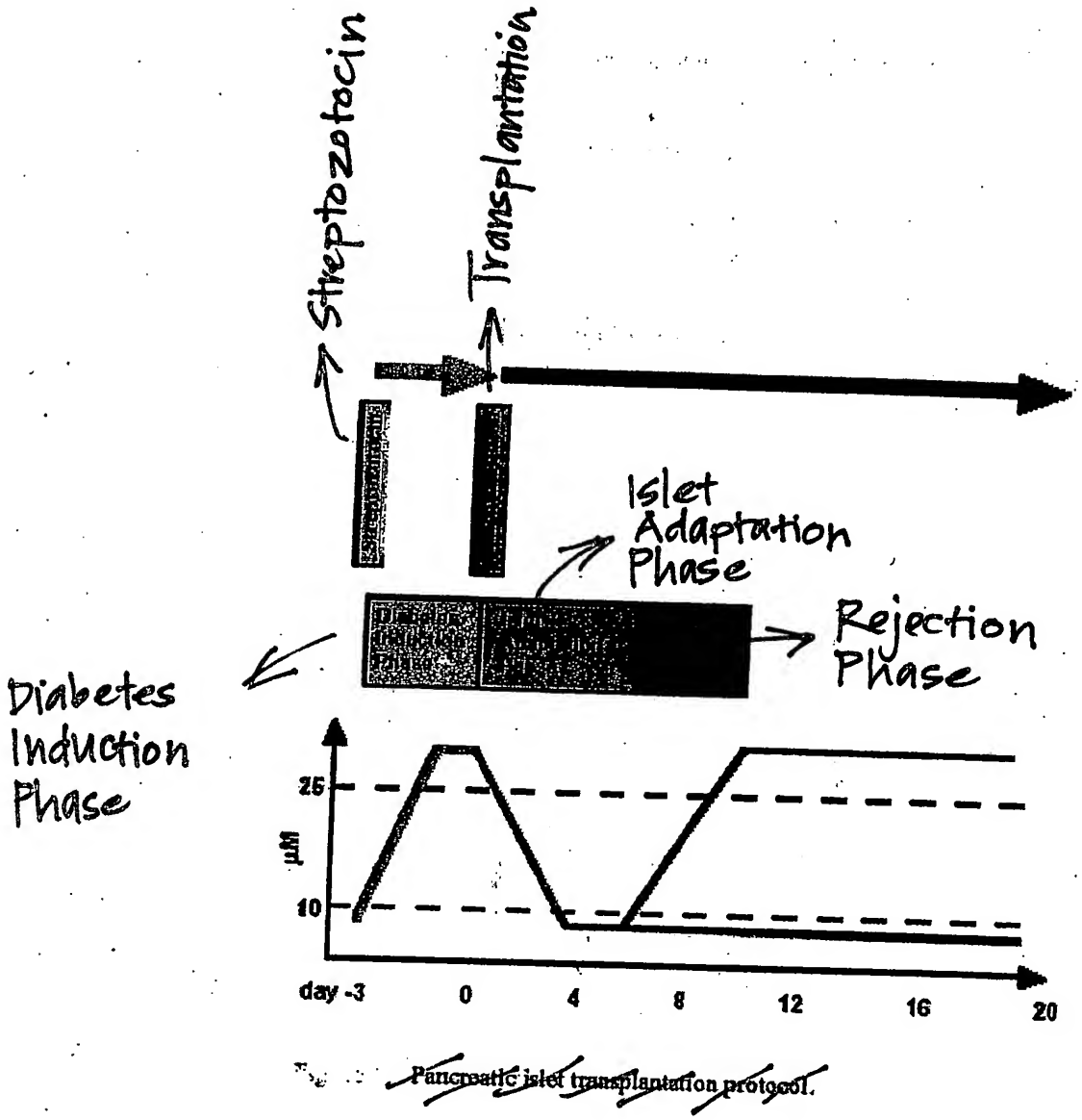
Figure 17



Animal #725-

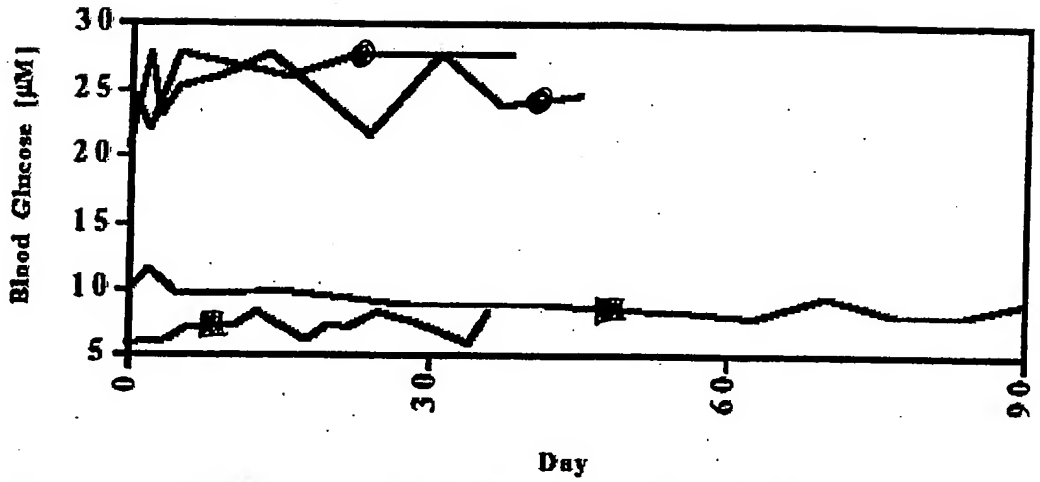
C57BL/6 hearts infected with mAdCD8 (treated) or mock-infected (control) were transplanted into Balb/c mice. After 52 days, the animals were sacrificed and the tissue was stained (HE) and the lytic activity of recipient T cells was tested on donor-type target cells.

Figure 18



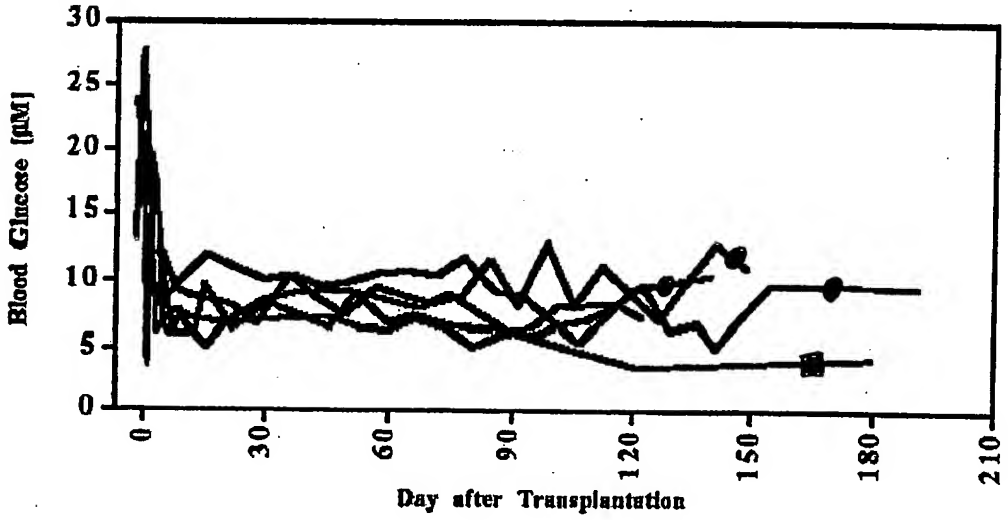
Pancreatic islet transplantation protocol.

Figure 19



Blood glucose levels in normal (red) and Streptpzotocin-treated (blue) mice. square circle

Figure 20



Syngeneic pancreatic islet transplants performed in Balb/c (red) and in C57BL/6 (blue) mice. square circle

Figure 21

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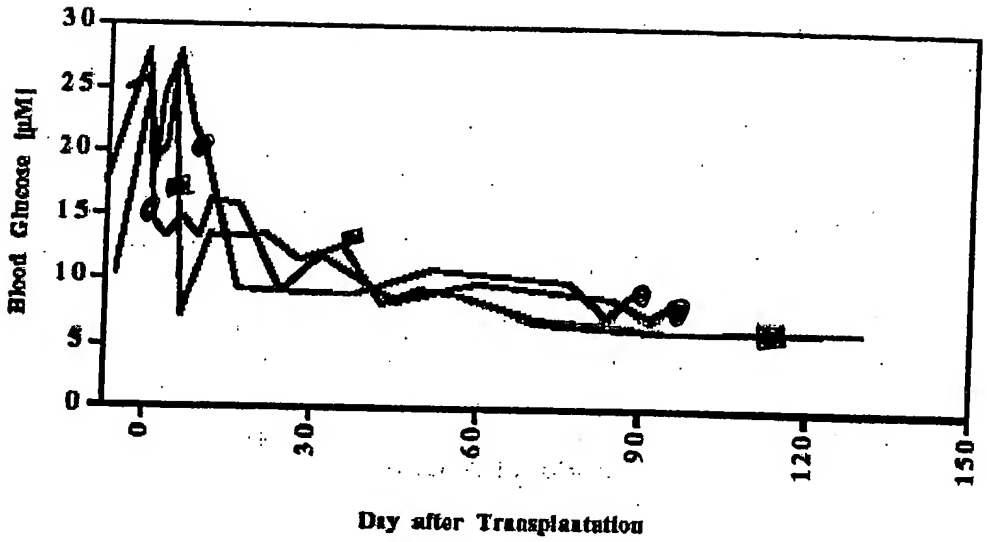

Transplantation of syngeneic mAdCD8-transduced pancreactic islets harvested from Balb/c (blue) or C57BL/6 (red) mice.

circle square

Figure 22

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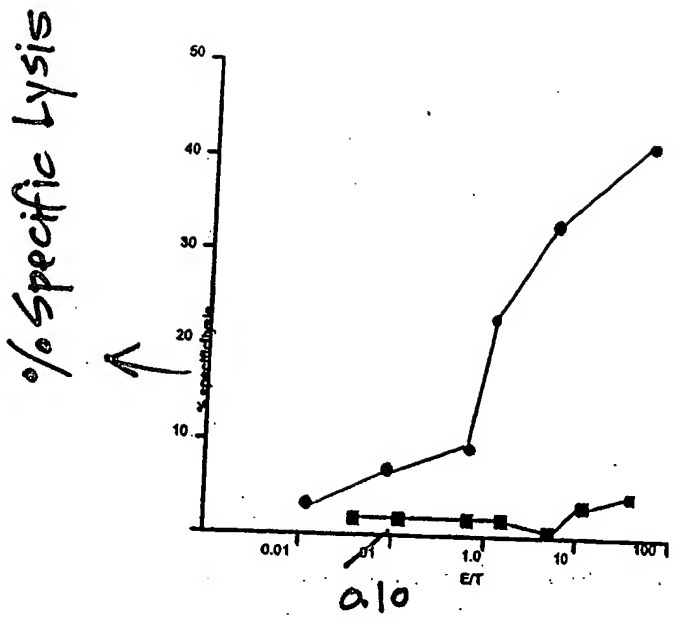

Figure 24

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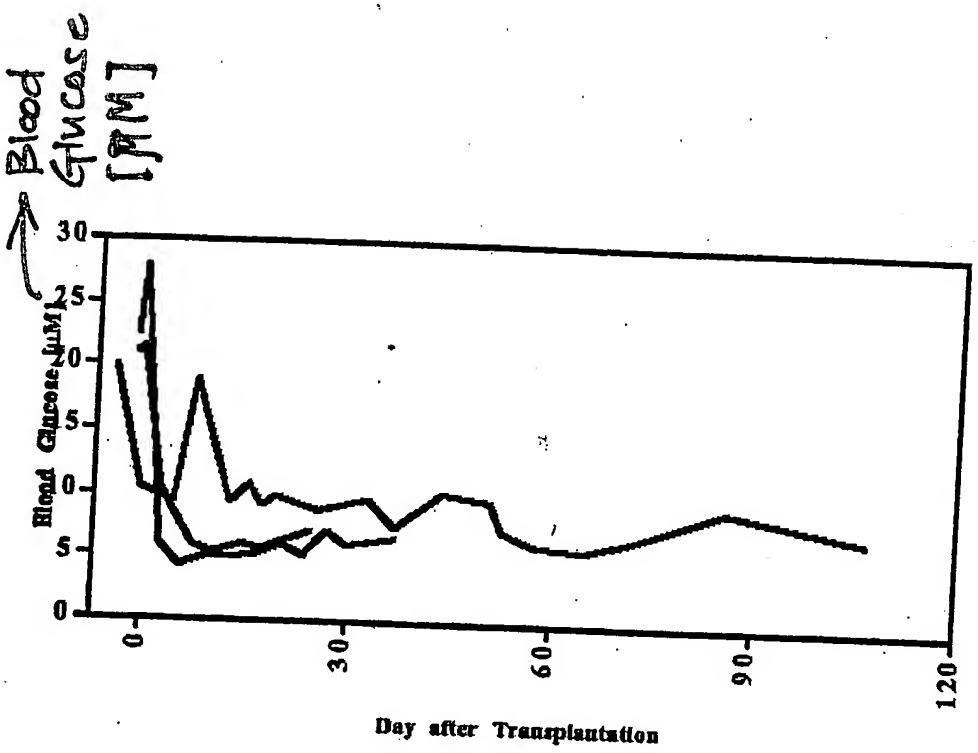

mAdCD8-transduced C57BL/6 pancreatic islets were transplanted into Balb/c recipient mice.

Figure 25